



# Entities

Entities are any asset within a portfolio (like a trust), holding account, or investment. Clients themselves are also entities. Use the Entities API to create and delete entities in Addepar, and retrieve and update entity details.

Base route

/v1/entities

**GET**

/v1/entities/:id

/v1/entities

**POST**

/v1/entities/

**PATCH**

/v1/entities/:id

/v1/entities

**DELETE**

/v1/entities/:id

/v1/entities

Produces

JSON

Pagination

Yes

"API Access: Create, edit, and delete"

"Portfolio Access" is required to retrieve, update, and delete entities.

Application Permissions  
Required

No specific portfolio access is required to create entities.

"Manage Attributes: Only edit certain attribute values or Manage all values and settings" is required to apply, edit, or delete attributes.

OAuth Scopes

ENTITIES or ENTITIES\_WRITE

## Resource Overview

Entities are described by the below resource object attributes. Attributes required for creating, updating or deleting entities are noted. You can assign additional standard and custom attributes to Entities.

All attributes will be returned in successful **GET**, **POST** & **PATCH** responses.

ATTRIBUTE	TYPE	EXAMPLE
original_name	Name of the entity. String.	"Smith Trust"
model_type	Describes the type of entity. String.	"TRUST"
ownership_type	Not editable and cannot be passed in, though a value will be returned for all non-client entities. String. Supported values: - PERCENT_BASED - SHARE_BASED - VALUE_BASED	"PERCENT_BASED"
currency_factor	Required but only applicable for non-client entities. String.	"USD"
underlying_type	Required but only applicable for forward and futures contract entities. String. Supported values: - INTEREST_RATE - CURRENCY - COMMODITY - SECURITY - INDEX	CURRENCY
delivery_price	Required for forward contract entities. String.	{ "value": 100.5 "currency": "USD" }
Optional Attributes	Additional attributes can be applied to entities. String.	<a href="#">See Addepar Attributes</a>

## Get an Entity

Retrieves all attributes for a specific entity.

**GET** /v1/entities/:id

**Example:**

REQUEST	RESPONSE
GET https://examplefirm.addepar.com/api/v1/entities/1000002	

### Response Codes:


- 200 OK : Success
- 403 Forbidden : Insufficient application permissions or appropriate scope not granted
- 404 Not Found : The entity does not exist or you do not have access to it

## Get All Entities

Retrieves the full list of all entities you have permission to access, as well as all attributes for each entity.

**GET** /v1/entities

**Example:**

REQUEST	RESPONSE
GET https://examplefirm.addepar.com/api/v1/entities	

### Optional Parameters

FILTER	DESCRIPTION	EXAMPLE
entity_types	Returns only the type of entity specified. Ignores spaces.  You cannot combine entity type and linking status filters.	* To filter multiple entities, format the request as: <code>filter[entity_types]=VALUE1,VALUE2</code>
linking_status=linked	Returns all online accounts that are linked to an owner.	<code>filter[linking_status]=linked</code>
linking_status=unlinked	Returns all online accounts that are not linked to an owner.	<code>filter[linking_status]=unlinked</code>

### Response Codes:

- `200 OK` : Success
- `400 Bad Request` : Invalid filter parameters
- `403 Forbidden` : Insufficient application permissions or appropriate scope not granted

### Create an Entity

Adds a new entity to your firm. You can use the API to create all entities, except for the following:

Attributes `original_name` , `model_type` and `currency_factor` must be included.

Returns all attributes of the new entity.

**POST** `/v1/entities/`

### Example:

REQUEST	RESPONSE
<pre>POST https://examplefirm.addepar.com/api/v1/entities</pre>	<pre>{   "data":{     "type":"entities",     "attributes":{       "original_name":"New entity",       "currency_factor":"USD",       "model_type":"PERSON_NODE"     }   } }</pre>

### Response Codes:

- `201 Created` : Success
- `400 Bad Request` : Invalid payload or type of entities (model\_type) cannot be created
- `403 Forbidden` : Insufficient application permissions or appropriate scope not granted
- `409 Conflict` : The "type" was not specified as "entities"

## Create Multiple Entities

Adds new entities to your firm. You can use the API to create all entities except for the following:

Attributes `original_name`, `model_type` and `currency_factor` must be included.

Returns all attributes for each new entity.

**POST** `/v1/entities/`

**Example:**

REQUEST	RESPONSE
POST <code>https://examplefirm.addepar.com/api/v1/entities</code>	
<pre>{   "data": [     {       "type": "entities",       "attributes": {         "model_type": "PERSON_NODE",         "original_name": "Adam Smith",         "currency_factor": "USD"       }     },     {       "type": "entities",       "attributes": {         "currency_factor": "USD",         "model_type": "TRUST",         "original_name": "Smith Trust"       }     }   ] }</pre>	

### Response Codes:

- `201 Created` : Success
- `400 Bad Request` : Invalid payload or one or more types of entities (`model_type`) cannot be created
- `403 Forbidden` : Insufficient application permissions or appropriate scope not granted
- `409 Conflict` : The "type" for one or more entities was not specified as "entities"

## Update an Entity

Adds, modifies, or deletes the attributes or custom attributes of an existing entity for all but the following:

Returns all attributes of the updated entity.

**PATCH** `/v1/entities/:id`

**Example:**

This example is for Addepar's Standard Attributes. See [Addepar Attributes](#) for a Custom Attribute example.

REQUEST	RESPONSE
---------	----------

```
PATCH https://examplefirm.addepar.com/api/v1/entities/1111
```



```
{
  "data":{
    "id":"1111",
    "type":"entities",
    "attributes":{
      "original_name":"Adam T. Smith"
    }
  }
}
```

## Response Codes:

- `200 OK` : Success
- `400 Bad Request` : Invalid payload or the type of entity (model\_type) cannot be updated
- `403 Forbidden` : Insufficient application permissions or appropriate scope not granted
- `404 Not Found` : One or more entities do not exist or you do not have access to it
- `409 Conflict` : The ID in the path doesn't match the ID in the payload
- `409 Conflict` : The "type" was not specified as "entities"

## Update Multiple Entities

Adds, modifies, or deletes attributes of existing entities. Returns all attributes of the updated entities. In the example, the two entity names are being updated from “Adam Smith” and “Smith Family Trust” as seen in the POST example above, to “Adam T. Smith” and “The Smith Family Trust” respectively.

Model types not supported:

- Digital Asset (DIGITAL\_ASSET)

```
PATCH /v1/entities
```

## Example:

REQUEST	RESPONSE
---------	----------

```
PATCH https://examplefirm.addepar.com/api/v1/entities
```

```
{
  "data": [
    {
      "id": "1111",
      "type": "entities",
      "attributes": {
        "original_name": "Adam T. Smith"
      }
    },
    {
      "id": "1112",
      "type": "entities",
      "attributes": {
        "original_name": "The Smith Family Trust"
      }
    }
  ]
}
```

### Response Codes:

- **200 OK** : Success
- **400 Bad Request** : Invalid payload or one or more types of entities (model\_type) cannot be updated
- **403 Forbidden** : Insufficient application permissions or appropriate scope not granted
- **404 Not Found** : One or more entities do not exist or you do not have access to them
- **409 Conflict** : The "type" for one or more entities was not specified as "entities"

## Delete an Entity

Deletes an existing entity from your firm. An entity cannot be deleted if it holds other entities. For example, you cannot delete a holding company if it owns a security.

**DELETE** /v1/entities/:id

### Example:

REQUEST	RESPONSE
---------	----------

```
DELETE https://examplefirm.addepar.com/api/v1/entities/1111
```

### Response Codes:

- **204 No Content** : Success
- **400 Bad Request** : Invalid payload, or the entity is referenced by positions/affiliations
- **403 Forbidden** : Insufficient application permissions or appropriate scope not granted
- **404 Not Found** : The entity does not exist or you do not have access to it
- **409 Conflict** : The "type" was not specified as "entities"

## Delete Multiple Entities

Deletes multiple existing entities from your firm. An entity cannot be deleted if it holds other entities. For example, you

cannot delete a holding company if it owns a security.

Model types not supported:

- Digital Asset (DIGITAL\_ASSET)

**DELETE** /v1/entities

Example:

REQUESTRESPONSE

```
DELETE https://examplefirm.addepar.com/api/v1/entities

{
  "data": [
    {
      "id": 1111,
      "type": "entities"
    },
    {
      "id": 1112,
      "type": "entities"
    }
  ]
}
```

Response Codes:

- 204 No Content : Success
- 400 Bad Request : Invalid payload, or one or more entities are referenced by positions/affiliations
- 403 Forbidden : Insufficient application permissions or appropriate scope not granted
- 404 Not Found : One or more entities do not exist or you do not have access to them
- 409 Conflict : The "type" for one or more entities was not specified as "entities"



Addepar is a wealth management platform that specializes in data aggregation, analytics and performance reporting.

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